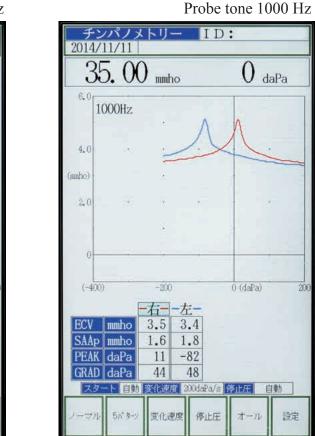
Tympanometry

- It is equipped with 1000 Hz probe tone. It is possible to do Tympanometry which is suitable for
- The left and right test results can be displayed in color on the same screen, and 5 patterns can be displayed on the same screen.
- Automatically measure and display ear canal volume, static compliance, and peak pressure. (Probe tone 226 Hz).
- Automatically measure and display ear canal volume, static compliance, and peak pressure. Static acoustic admittance can be displayed by selecting from "Positive Tail" or "Negative Tail". (Probe tone 1000 Hz)
- "Gradient" showing the steepness of the peak can also be displayed.
- Tympanometry "Relative display (MCT)", "Absolute display (MPT)" can be switched.

0 daPa

Tympanogram Probe tone 226 Hz



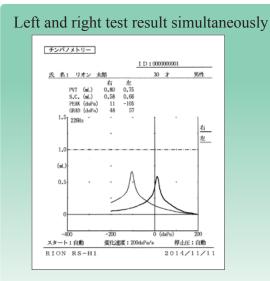
チンパノメトリー ID:0000000001 2014/11/11 リオン 太郎

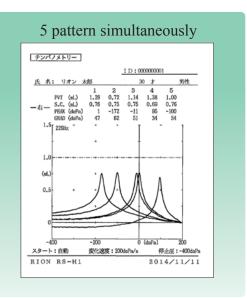
9.99 ml

226Hz

11 -105

Printout example





IMPEDANCE AUDIOMETER RS-H1

Type according to IEC60645-5: Type 1-Diagnostic/Clinical

Probe tone: 226 Hz. 85 dBSPL, 1000 Hz 75 dBSPL (According to IEC 60318 - 5: 2 cm3 coupler for the measurement of hearing aids and earphone coupled to the ear by means of ear inserts).

Display mode: Left and right overwriting or 5 data overwriting Equivalent volume range: When probe tone 226 Hz is selected. $0.10 \sim 9.99 \text{mL} \text{ (display range)}.$ $0.20 \sim 9.00 \text{mL (error guarantee range)}.$

When probe tone 1000 Hz is selected 0.22 (0.05mL) ~ 35.00 (8.00 mL) mmho (display range).

0.44 (0.10 mL) ~ 26.50 (6.00 mL) mmho (guaranteed error range). Range: mL / div 0.5, 1.0, 1.5, 2.0, 3.0 Automatic selection functions are available.

mmho / div 0.5; 1.0; 2.0; 4.0; 10.0 Automatic selection functions are available

Pressure range: + 200 ~ -600 daPa; + 200 ~ -400 daPa; + 200 ~ -200 daPa; + 200 ~ automatic stop.

(Automatic stop of conditions: - 200 daPa equivalent volume value in the following stop when down to about 1/3 of the static compliance. Maximum -400 daPa). The screen format has two types of pressure range + 200 \sim -600 daPa and + 200 \sim -400 daPa Pressure group acceleration: 200 daPa / sec. 50 daPa / sec.

Display: When 226 Hz is selected. Tympanogram can be overwritten left right or overwritten with 5 data.

Numerical values are peak pressure, S. C, PVT, Gradient, Probe tone frequency Relative display (Meatus compensated Tympanometry).
Absolute display (Meatus compensated Tympanometry).

When 1000 Hz is selected. Numerical values are peak pressure, SAA (p / n), ECV, Gradient, probe tone frequency Relative display (Meatus compensated Tympanometry).

Reflex test

Probe tone: 226Hz, 85dBSPL Test mode: The following five type

AUTO: Measured with the level of stimulus tone automatically changed and continuously on the same side / opposite side for the set frequency. Threshold can be set

Can set the stop level of stimulus tone
MANUAL Measure with arbitrary stimulus tone frequency, level, timing

Automatic (Measured with the level automatically changed for the set frequency) Threshold can be set ADD Measure by adding at any stimulus tone frequency and level

Addition time can be selected from 5; 10; 20 times

Absolute display (Meatus compensated Tympanometry)

DECAY Measure by posting stimulus tone for 10 seconds at arbitrary 1 stimulation tone frequency and level Measurement time 12.5 seconds

LATENCY Measure by adding averagely at arbitrary 1 stimulation tone frequency and level The addition time can be selected from 1; 5; 10; 20 times. Has cursor function Waveform display: Can switch from actual waveform to simplified display (AUTO only).

Sensitivity: 0.225 (AUTO only), 0.05, 0.1, 0.2 mL/div Pressure range :: + 200 ~ -600 daPa

Measurement pressure: atmospheric pressure, tympanogram peak pressure, manually set pressure Setting change of mechanical pump / servo pump is available. Stimulus tone: As shown in the table above.

* Specifications are subject to change without notice for improvement

Data such as test screens and printout examples posted on this page are prepared for catalogs.

However, at the time of LATENCY test, the same side 500Hz: $50 \sim 100$ dBSPL, $50 \sim 90$ dBHL

shall be set. Or, the noise output of the same side is not performed 500 ~ 4000 Hz noise

2500 ~ 4000 Hz noise High noise: Synchronization, opposite coupler and HK reference level are according to IEC 60645-5. Minimum level step:
Reflex (AUTO)

Frequency On both the frequency side and the opposite side, there are four frequencies of 500, 1000, 2000, 4000 Hz

ON / OFF setting is possible for each frequency

Level step 5 dB (7 level), 10 dB (4 level) can be selected Start level 70 dB, 80 dB, optional The threshold determination function 0.025mL; 0.05mL; OFF can be selected Expanded display: Expand and display the waveform of the selected frequency Stop stimulation tone: Can set the stop level of stimulation tone.

Reflex (Manual)

Stimulus tone
Frequency: Same side or opposite side can be selected arbitrarily

Tone posting 1.5 seconds, manual (posted while pushing stimulus notice bulletin), can be selected automatically (rising automatically in steps of 5 dB from the set start level) Continuous measurement result (overwrite), single (for one screen only)

Stimulus tone: single only when automatic Sweep speed 2.5; 5.0; 10.0; 20.0 seconds / screen selectable
Threshold judgment function 0.025 mL, 0.05 mL, OFF selectable

However, stimulation tone: valid only when automati-

Reflex (ADD)
Stimulus tone posting 0.5; 1.0; 1.5; 2.0 seconds selectable Adding times 1; 5;10; 20 times selectable 2.5; 5.0; 10.0; 20.0 seconds / screen selectable

Reflex (LATENCY)

Stimuli tone posting 0.5; 1.0; 1.5; 2.0 seconds selectable Adding times Sweep speed 1; 5; 10; 20 times selectable 2.5; 5.0; 10.0 seconds / screen selectable

Cursor function Tympanometry & flex test

Continuous test of Tympanometry 226 Hz (left and right over writing) and Reflex Auto test

Interface: RS-232-C: Data output, card reader / bar code reader LAN: Data input / output

External switch: Start / stop measurement by switch Waveform output: Electrical output

Indicator: 7 inch wide color LCD, 800 x 480 dots, resistive touch panel

Built-in printer: 4 inch thermal printer; 832 dots / line, 8 dots / mm

Classification of protection against electric shock by type: Class I device Classification of mounting parts depending on level of protection against electric shock: B type mounting part

Power: AC220V 50 Hz 60VA Use environmental conditions: Temperature 15 ~ 35°C.

Relative humidity 30 ~ 90% (without any condensation) Pressure 700 ~ 1020 hPa (altitude 3000m or less)

Transport and storage environmental conditions: Temperature -10 ~ 50°C. Relative humidity 10 ~ 90% (without any condensation) Pressure 500 ~ 1050 hPa

Body: About 350 (width) x 295 (depth) x 290 (height) mmx about 6.0 kg

Ear Probe	ET-05	1	Earplug Set Earplug for the RS Big, Medium, Smal Earplug \(\phi - 1-14 \) Earplug \(\phi - 6-9 \) Cleaning Wire	RS-M1-S10	1
Earplug adapter for ET - 05	ET-05-S11	2			Each 3
Air conduction handset	AD-06BF2	1			Each 3
Air conduction adapter assembly	EB-01A-017	1			Each 3
Headband adapter for ET-O5	ET-05-S12	1		RS-32-026	1
Head band assembly for ET 05	ET-05-S13	1	Recording paper axis	AA-M1-025	1
Fuse	0218002.MXP	2	Thermal recording paper	TP-42	2
			3P power cord with ground		1



IMPEDANCE AUDIOMETER

RS-H1



Multifunctional type which is suitable for clinical and research corresponding to numerous tests Automatic measurements for a variety of test from tympanometry to reflex tests.

The test results are stored in the internal memory and printed out in batches for each tested item, inspected ears.





Specifications subject to be changed without notice



3-20-41, Higashimotomachi, Kokubunji, Tokyo 185-8533, Japan Telephone: +81-42-359-7862 Fax: +81-42-359-7457

Distributed by:

202502

1000 Hz probe tone, can do tympanometry that is suitable for newborns.

or both 226 Hz and 1000 Hz ne Tympano-gram can be compared with right and left r 5 data.

Equipped with LAN interface, also supports card reader and bar code reader

RS-H1

Multifunctional type for clinical and research with enhanced function and operation.

Characteristic

- The test can select either automatic start or manual start, and can execute the automatic measurement of both tympanometry and reflex test consecutively.
- User can change various condition settings such as sweep stop pressure of tympanometry, the start tone pressure level, level step of Reflex test.
- The test result is stored in the internal memory and is printed out by batch for each test item, test ears.
- In addition to the built-in servo pump, pressure setting of the reflex test is possible by using an external mechanical pump (accessory).

Smaller size to save space The width is 15.7% (about 6.5 cm) and the depth is 24.9% (about 9.8 cm) smaller than our previous product (RS - 22)*.



Easy operation with touch panel Some actions such settings and ID input can be operated with the such as touch panel, making it easier to use.



Mechanical pump

FB-22

Easier to use and improved ear probes The transition from the handheld to the headset is smooth.



When wearing the headband

Mechanical pump that can measure pressure with reflex test (Optional Unite)

Easy to use operation panel Equipped with a probe holder in the main body



Equipped with LAN interface

Test data can be transferred to external equipment such as a computer via LAN interface. (Please contact our sales department for use)

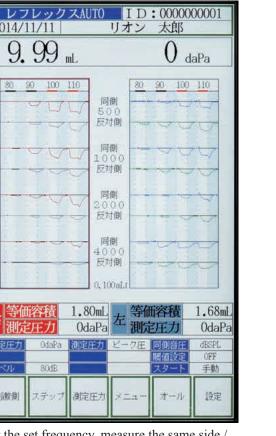
Reflex test

- Five modes (AUTO, MANUAL, ADD, DECAY, LATENCY) are carried.
- Easy threshold measurement in automatic mode (AUTO), measurement with arbitrary level, frequency, timing by reflex test (MANUAL) is possible.
- Easy reflex test (DECAY) is possible with 10 seconds stimulation.

Test mode: AUTO

- In addition to "real wave punishment display", "simple display" can also be selected. (Reflex test <Auto> only) Measurement of latency time (Reflex check (Latency)) has become more convenient.
- It is possible to independently set the cursors of the same side waveform and the opposite side waveform. And it is possible to display the latency time of each side

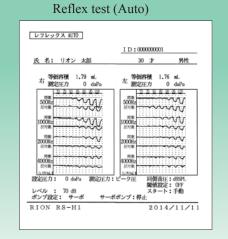
Test mode: MANUAL

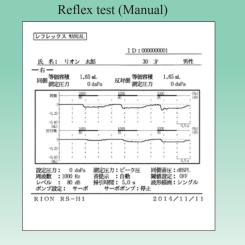


For the set frequency, measure the same side / opposite side automatically by changing the stimulus tone.

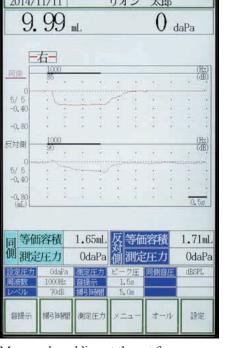
Measure with the set frequency, level, timing

■ Printout examples





Test mode: ADD



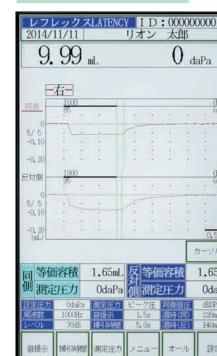
Measure by adding at the set frequency, level, timing. Select from adding time 5, 10, 20.

Test mode: DECAY

9.99 mL



Measure with posting stimulus tone for 10 seconds at the set frequency and level. Measurement time 12.5 seconds



Measurement is performed by adding and averaging at the set frequency, level and timing. Select adding time from 1, 5, 10, 20 times. Time measurement at an arbitrary place is possible

